

**ABSTRACT OF THE DISCLOSURE**

A system and method of updating radio network data in a plurality of devices deployed in Base Stations (BSs) in a radio telecommunications network. Each BS is interfaced with a Mobile Switching Center (MSC) through an Internet Protocol (IP) packet data network. Device update data is sent in an IP message from the MSC to the BS where the plurality of devices are simultaneously updated. Device updates can be performed at the cell level, the location area level, or the exchange level. In one embodiment, the BS joins a multicast group, and the device update data is sent in an IP multicast message. In another embodiment, the BSs monitor predefined User Datagram Protocol (UDP) ports for particular types of device update data, and the device update data is sent in an IP broadcast message.